

Fact Sheet

Intelligent Sensor Mat and Server

All measurement units such as sensor mats and traction gauges are connected with the recovery server. Inside, an industrial PC compares the incoming measurement data with the data from the recovery manuals and transfers the results to the Recovery Manager (software) via WiFi.

The server has an Outdoor Access Point with a range of around 200 m. Wider ranges are also possible without problems. The sensor mats are cabled and connected with the recovery server.

The traction gauge receiver can be installed in the ruggedized case as an option and is connected with the industrial computer to evaluate the measurement data.



Server specifications

Exterior dimensions 55.5 x 35.0 x 23.0 cm (22.00" x 13.81" x 9.00")

Interior dimensions 50.1 x 27.9 x 19.3 cm (19.75" x 11.00" x 7.60")

Description/Features

- Ruggedized case weight with all installations is currently unknown, but can be carried by one person
- Watertight, crush-proof, and dust-proof
- Retractable extension handle
- Strong polyurethane wheels with stainless steel bearings
- Battery operating time: up to 8 hours

Power supply

- This universal charger is designed for use anywhere in the world solely with the SefrinTec recovery server and ensures unlimited operation.
- Electrical outlet configurations for the US, the UK, Europe and Australia are included with the charger, as is a 70" (1.77 m) cable.
- If required, the vehicle charger for the recovery server can charge the server's battery from your vehicle's 12 or 24 volt battery via its cigarette lighter/utility socket.
- Optional remote access to track the recovery operation
- Battery status indicator
- One external button to switch on the system

Transmission range 200 m radius of the server. Wider ranges are possible without problems.

Operating temperatures 30 to 75°C (-22 to 167°F)

Frequency 2.4 GHz

WiFi 802.11 a/b/g/n compliant

Computer: Intense PC Pro IPC, Intel Core i7 Dual Core, Windows 8 or higher

Sensor mat specifications

Measurement technology Pressure sensors with latest technology

Mat thickness 25 mm/ 0.98 in

Pressure measurement range Up to 1 bar/14 psi

Protective layer The external protective layer prevents damage to the intelligent core and allows for operation temperatures between -30 °C and +60 °C. The same characteristics as the material of the lifting bags (oil- and dirt-repellent, ozone-resistant, tear-resistant).

Size Sizes are available for all standard lifting bags. Customized sizes can be provided on request. Our recommended basic sizes are 2 m² (21.52 ft²). Easy handling.

Basic element 500 mm x 500 mm (19.68 in x 19.68 in)

Weight 5.5 kg/m²/ Approx.: 1.1 lb/ft² (under 20 kg and can be handled easily by one person)

Data transmission Cable link to recovery server

Sensor distance 166 mm/(6.53 in)